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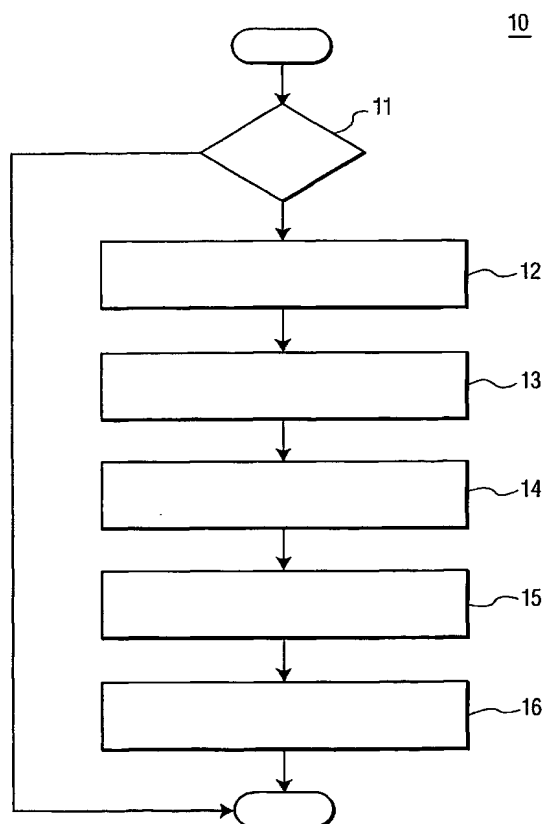
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR RESTRAINED BUDGET USE



(57) Abstract: A method (60) for controlling multiple tasks in a real-time operating system (110, 170) assigns priorities to two or more tasks (114, 115; 174, 175). A first task (114; 174) is assigned to be a More Important Task. A second task (115; 175) is assigned to be a Less Important Task. Each task is explicitly informed of its budget allocations. A Guaranteed Budget Margin is then allocated to the More Important Task along with a More Important Guaranteed Budget. A Less Important Guaranteed Budget is also allocated to the Less Important Task. At some point during execution, the higher priority or More Important Task (114; 174) may then determine that the More Important Task no longer requires the Guaranteed Budget Margin, in which case, a Conditionally Guaranteed Budget Margin is then allocated to the Less Important Task (115; 175).



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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,

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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

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